

ABSTRACT

The present invention provides highly useful clinical methods for treating skin disorders, particularly intractable skin disorders. Specifically, the methods comprise
5 injecting/subcutaneously introducing a 10 μ g to 10 mg dose of a polynucleotide, such as a DNA, oligonucleotide, RNA, siRNA, and antisense, around a lesion associated with a skin disorder, such as a wound, cutaneous ulcer, or psoriasis, using a needleless syringe that injects a pharmaceutical liquid by using gas pressure or the elastic force of an elastic member to drive a
10 piston.